

12V 100AH

Z-BOX | LITHIUM POWER BANK

**BEST REPLACEMENT
OF LEAD ACID &
TUBULAR BATTERY**



MADE IN VIETNAM

RGB STATUS INDICATOR

SPECIFICATION

PERFORMANCE CHARACTERISTICS	TYPICAL
✓ CAPACITY	100AH
✓ VOLTAGE (NOMINAL)	12.8V
✓ DISCHARGE ENERGY	1280WH
✓ MAX CONT. DISCHARGE CURRENT	@ 25°C 80A
✓ MAX PULSE DISCHARGE CURRENT	@ 25°C, 10S 120A
✓ MAX CONT. CHARGE CURRENT	@ 25°C 80A
✓ MAX PULSE CHARGE CURRENT	@ 25°C, 10S 120A
✓ DC RESISTANCE	≤10MΩ
✓ SPECIFIC ENERGY	≤140W/KG

OPERATION RANGE	TYPICAL
✓ FULL CHARGED VOLTAGE	14.6V
✓ DISCHARGE CUT-OFF VOLTAGE	10V

✓ OPERATE TEMPERATURE RANGE

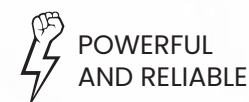
CHARGE: 0°C~55°C;
DISCHARGE: -20°C~55°C;
STORAGE: -20°C~45°C

*CYCLE LIFE TO 80% OF RATED CAPACITY



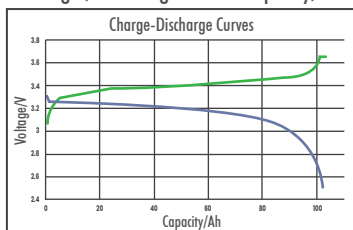
2 YEARS FREE & 3 YEARS SERVICE

European Standard Design & Engineering

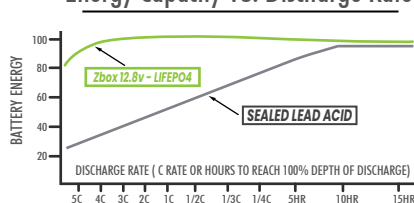


MODEL		Z-BOX EUROPEAN 100AH-12.8V
Battery type		LiFePO4
Nominal Capacity		100Ah
Nominal Voltage		12.8 V
Operating Voltage		11.2 V ~ 14.6 V
Nominal Energy		1.28kWh
Scalability		Max. 4 units in series(51.2V) & Max. 10 units in parallel
Charge Current	Max. Continuous	100A
	Peak	200A (10 sec)
Discharge Current	Max. Continuous	100A
	Peak	200A (10 sec)
Cell Configuration		Prismatic, IP4S

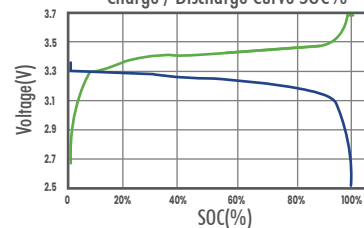
Charge / Discharge Curve Capacity/Ah



Energy Capacity VS. Discharge Rate



Charge / Discharge Curve SOC%



Recommend Depth Of Discharge	80% DoD
Dimension W x D x H (mm)	310 x 160 298
Weight (kgs)	11
Case Material	ABS+PC
LED Indicator	LED (SOC, working, protection) & Buzzer
Communication	Hardware BMS
IP Rating of Enclosure	IP20
Operating Temperature	Charge : 0~55°C, Discharge : -20°C~55°C
Storage Temperature	0~35°C
Relative Humidity	95%
Altitude	≤2000m
Life Cycle	≥8000 (25°C ± 2°C, 0.2 Charging and Discharging, 80%DOD, 70%EOL)
Certification	UN38.3, MSDS
Installation	Floor-Mounted, Stack-Mounted

